

Patent claims

1. Method for evaluation of data containing useful information received via a communication network,
5 characterized in that
a channel decoder (1) evaluates and at least partly corrects received data and forwards it to a speech decoder (2) data with characteristics of supplementary information representing the data, the speech decoder (2) decodes the data and where necessary
10 undertakes error concealment and forwards the data to a text telephony receiver (5), a demodulator (3) in the text telephony receiver (5) evaluates the received data and analyzes it statistically, by measuring the signal energy, generates reliability information relating to the data and forwards the data with the
15 reliability information to an error correction module (4) and that the error correction module (4) corrects the received data, taking into account the reliability information.
2. Method according to Claim 1,
characterized in that
20 the likelihood of reliability information representing appropriate decoding of the received data is determined as a function of the result of the detection of an error concealment.
3. Method according to Claim 2,
characterized in that
25 a channel decoder (1) takes account of the reliability information on channel decoding.

4. Method according to one of the previous claims characterized in that,
the data is emergency call-related data.

5 5. Method according to one of the previous claims characterized in that,
the data is analyzed in a mobile station (MS).

6. Method according to one of the previous claims characterized in that,
10 the data is transmitted over a cellular mobile communication network.

7. Method according to one of the previous claims characterized in that,
The data is analyzed in a text-telephony receiver (5).

15 8. Method according to one of the previous claims characterized in that,
for the statistical detection of an error concealment by the speech decoder (2) the time segments of the frames of the received useful information are analyzed.

20 9. Method according to Claim 8, characterized in that,
the time segments are analyzed in a text telephony demodulator (3).

10. Method according to one of the previous claims characterized in that,
25 the result of the statistical analysis is forwarded to an error correction module (4) in the text telephony receiver (5).

11. Method in accordance with one of the previous claims,
characterized in that the data is encoded with Adaptive Multi Rate.

12. Method according to one of the previous claims
5 characterized in that
the useful information consists of text, speech, picture and/or
video signals.

13. Device for evaluation of data containing useful information
received via a communication network,
10 - with a channel decoder (1) in a communication terminal receiver
(6) for evaluation and at least partial correction of the received
data and for forwarding this data with characteristics of
supplementary information representing the data to a speech decoder
(2),
15 - with a speech decoder (2) for decoding and if necessary error
concealment and for forwarding the data to a text telephony receiver
(5),
- with a demodulator (3) in the text telephony receiver (5) for
evaluation and statistical analysis of the received data by
20 measuring the signal energy, for creation of reliability information
relating to the data and for forwarding of data with the reliability
information to an error correction module (4),
- with an error correction module for correcting the received data,
taking into account the reliability information.